

7 creating a document object model from the first hypertext electronic
8 document;
9 extracting one or more selected hypertext elements from the
10 document object model using one or more content extraction expressions
11 from a content extraction conversion language comprising a set of
12 methods operable to identify at least one of the one or more hypertext
13 elements in the hypertext electronic document;
14 converting one or more extracted hypertext elements using one or
15 more content extraction operations from the content extraction conversion
16 language; and
17 creating a second hypertext electronic document on the second
18 network device including one or more converted hypertext elements.

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1 2. (Amended) The method of Claim 1 further comprising sending the second hypertext
2 electronic document to the first network device on the first network for display.

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1 6. (Amended) The method of Claim 1 wherein the step of extracting one or more
2 selected hypertext elements from the document object model using one or more content
3 extraction expressions from a content extraction conversion language includes
4 extracting one or more hypertext elements from one or more other hypertext electronic
5 documents.

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1 7. (Amended) The method of Claim 1 wherein the step of converting one or more
2 extracted hypertext elements using one or more content extraction operations includes
3 referencing one or more converted hypertext elements in a hypertext template used to
4 create the second hypertext electronic document.

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1 8. (Amended) The method of Claim 1 wherein the step of converting one or more
2 extracted hypertext elements using one or more content extraction operations includes

3 replacing one or more extracted hypertext elements with a prefix including the
4 characters "&%" to indicate an extracted hypertext element is a content extraction
5 conversion variable.

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1 11. (Amended) The method of Claim 1 wherein the one or more content extraction
2 expressions include object-oriented methods for any of: obtaining a hypertext electronic
3 document type; obtaining all elements in a document; obtaining the nth-number element
4 in a list; obtaining elements with a specified tag; obtaining one or more attributes of an
5 element; obtaining one or all rows in a table; obtaining one or all cells in a table row;
6 obtaining one or all areas in an image map; obtaining one or all sub-elements in a form;
7 for obtaining one or more options in a form-select list; or for obtaining additional sub-
8 elements for a selected element.

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1 12. (Amended) The method of Claim 1 wherein the step of extracting one or more
2 selected hypertext elements from the document object model using one or more content
3 extraction expressions includes extracting one or more selected hypertext elements
4 using a conversion script including one or more content extraction operations.

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1 15. (Amended) In a first network with a plurality of network devices connected to a
2 second network with a plurality of network devices, a method of content conversion,
3 comprising the following steps:

4 receiving a request for first hypertext electronic document on a
5 second network device on a first network from a first network device on
6 the first network;

7 obtaining the first hypertext electronic document from a third
8 network device on the second network device;

9 applying a content extraction conversion language comprising a set
10 of methods operable to identify one or more hypertext elements in the
11 hypertext electronic document, the content extraction conversion language

operable to convert one or more original hypertext elements from the first hypertext electronic document into one or more converted hypertext elements;

creating a second hypertext electronic document from the one or more converted hypertext elements; and

sending the second hypertext electronic document to the first network device in response to the request for the first hypertext electronic document.

18. (Amended) The method of Claim 15 wherein the step of applying a content extraction conversion language includes creating one or more converted hypertext elements with a prefix including the characters "&%" indicating the converted hypertext elements are content extraction conversion language variables.

20. (Amended) A content conversion system, comprising in combination:

a content converter for converting a first hypertext electronic document into a second hypertext electronic document using a data mining conversion language;

a document object model for storing hypertext elements of a first hypertext electronic document;

a proxy server for communicating with a plurality of network devices making requests for first hypertext electronic documents, for communicating with a context converter and with a plurality of content servers on a network providing first hypertext electronic documents;

a content extraction conversion language comprising a set of methods operable to identify one or more hypertext elements in the hypertext electronic document, a plurality of content extraction conversion expressions and a plurality of content extraction conversion operations for

15 converting a plurality of original hypertext elements into a plurality of
16 converted hypertext elements.